

# Accelerated Implementation Grant Clean Water Fund

Ramsey Conservation District  
February 3, 2016

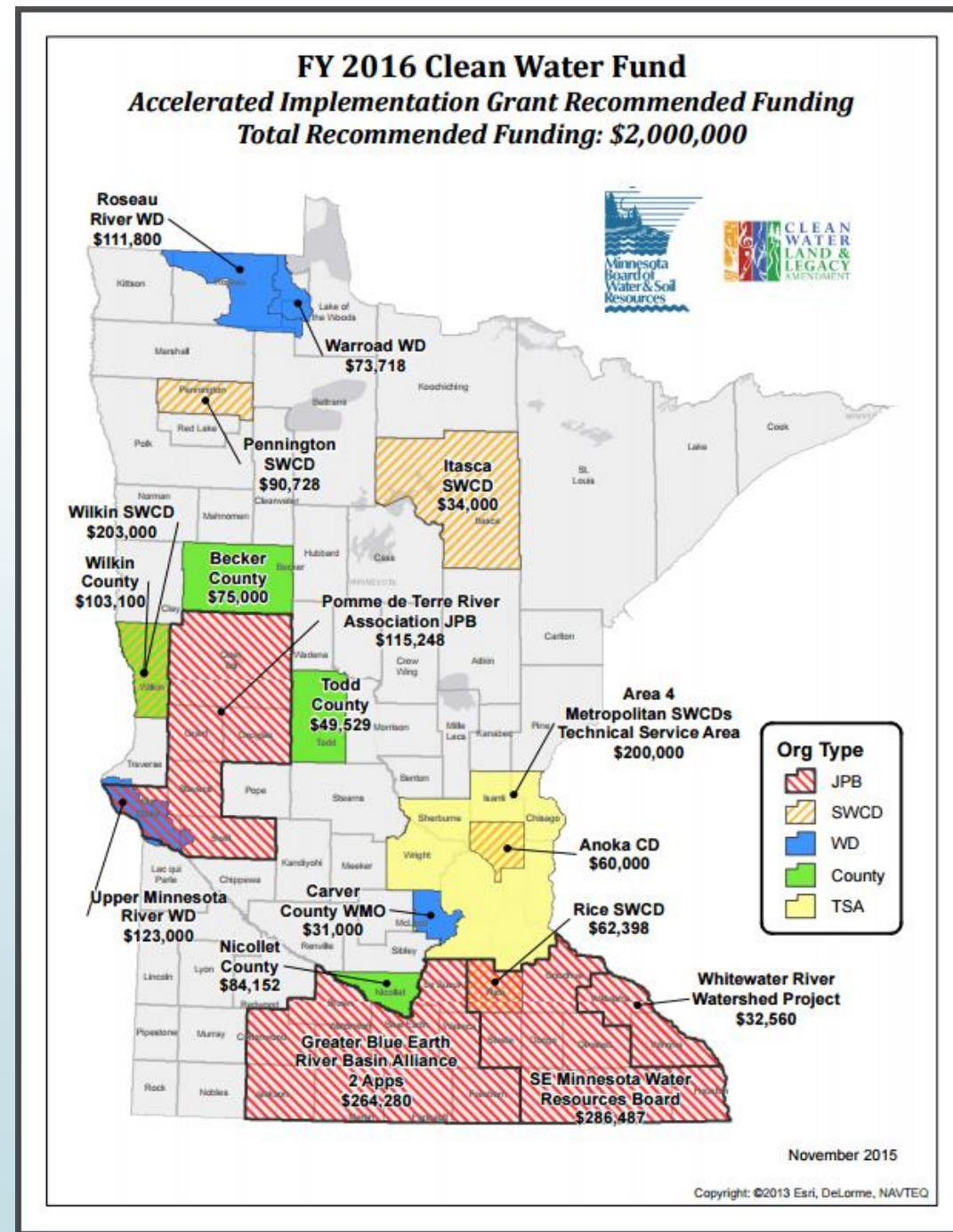
Andrea Prichard, Environmental GIS Technician



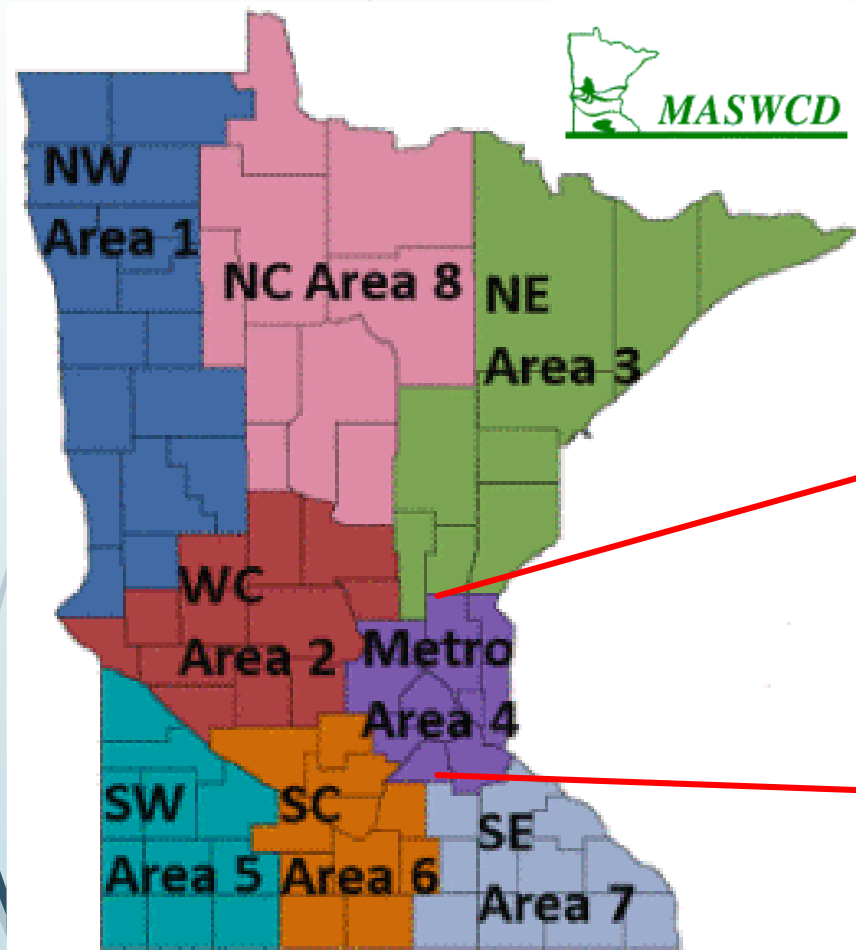


# Purpose of the AIG

- Build capacity for local governments to identify and accelerate the installation of the most effective projects to improve or protect water quality
- Pre-project identification, planning and design
- Proposals must request \$30,000 or more
  - Match of 25%
- MN Government Units Eligible for Funding:
  - SWCDs, Watershed Districts, Watershed Management Organizations, Counties, Cities



# MN Association of Soil and Water Conservation Districts



## Area 4 Metro Conservation Districts



11 Counties: Ramsey, Hennepin, Carver, Scott, Dakota, Washington, Anoka, Chisago, Isanti, Sherburne, Wright

## 2012 & 2014 CWF recipient: MCD Subwatershed Analysis



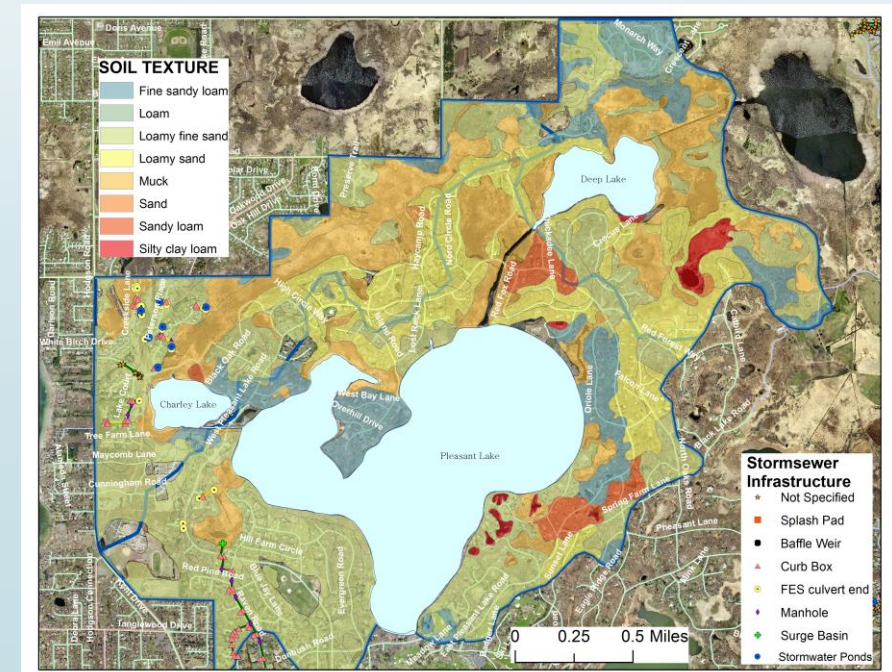
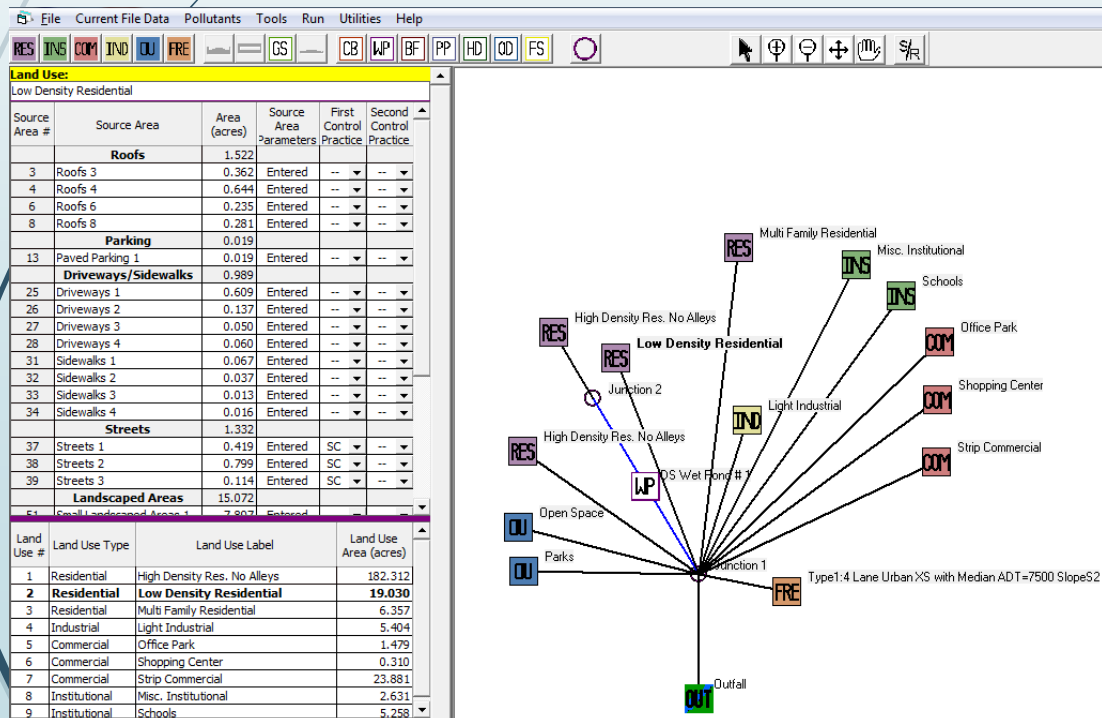
Algal bloom in Lake Byllesby  
Dakota County

- Impaired lakes and streams in Metro Area
- Algal blooms caused by high levels of nutrients from stormwater runoff (dirt, leaves, grass, fertilizers)
- Stormwater “Retrofits” (BMPs such as rain gardens) reduce nutrient loads
- AIG Grant is useful for Analysis studies
  - AIG is for work *prior* to implementation
- Assess per subwatershed the most cost-effective retrofits in the highest priority locations



# SWAs with the Ramsey Conservation District

- 11 SWAs completed so far
- GIS soil/land use/ analysis
- WinSLAMM pollution modeling
- Stormwater BMP designs
- Final ranked list of cost-effective projects



# Results

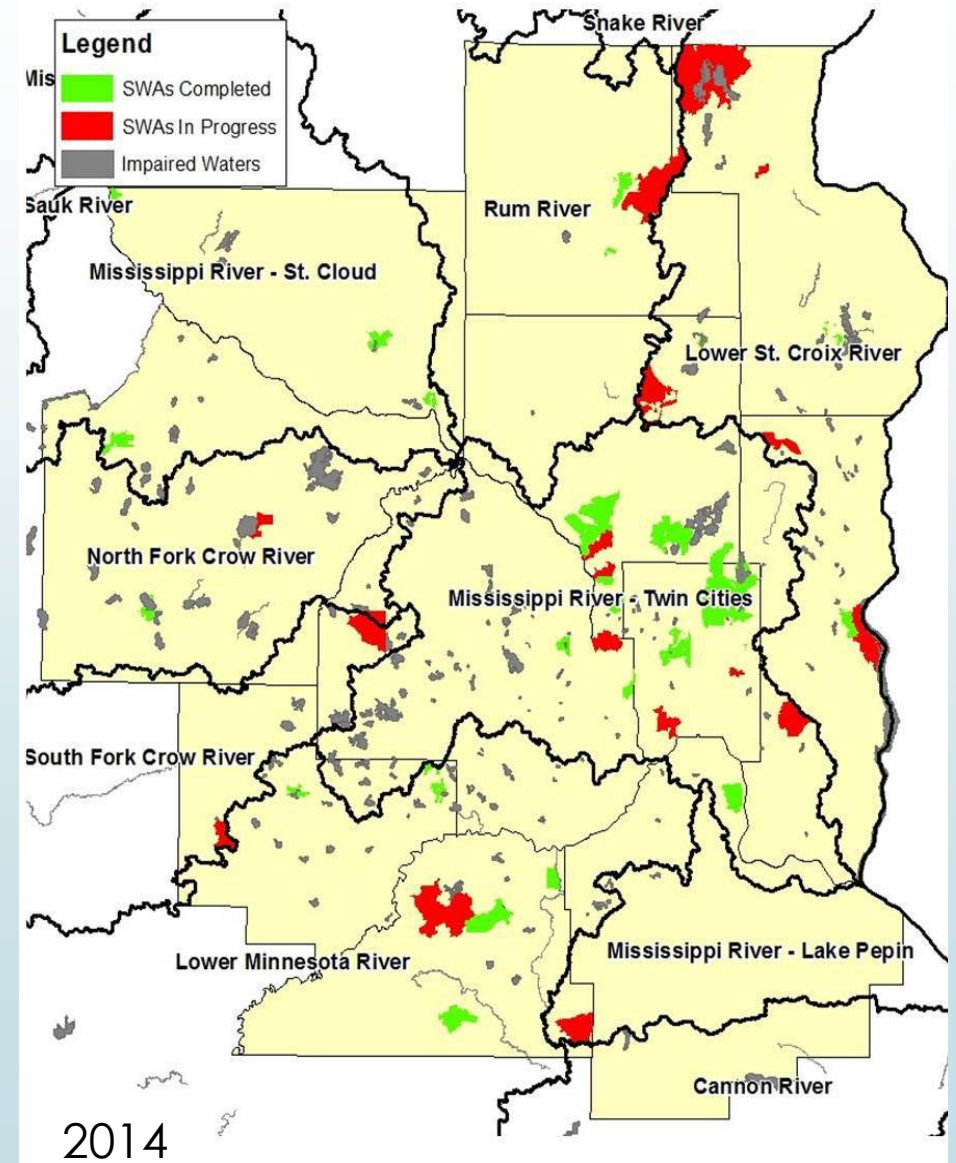
- 63 Subwatershed Assessments within the Metro Area (2012-2014)
- Thousands of Retrofits identified; hundreds installed.
- Contaminant Modeling
  - Estimates of Phosphorus and other nutrient reductions

**Example SWA Map with Identified BMPs**



- Bioretention
- Existing Rain Garden
- Grass Swale
- New Pond
- Hydrodynamic Device
- Permeable Asphalt
- Underground Storage
- Catchbasin
- Storm Sewer Line

## SWA Status in 11 County Metro





# AIG Application Process

- Application consists of:
  - Abstract
  - 10-question Narrative
  - Budget
  - Timeline

## *Ranking Criteria – Accelerated Implementation*

| Table 3: Accelerated Implementation Ranking Criteria  |                         |
|---|-------------------------|
| Ranking Criteria  | Maximum Points Possible |
| Clarity of project's goals, standards addressed and projected impact on land and water management and enhanced effectiveness of future implementation projects. | 40                      |
| Relationship to Plan: The proposal is based on priority protection or restoration actions listed in or derived from an approved local water management plan.    | 25                      |
| Means and measures for assessing the program's impact and capacity to measure project outcomes.   | 20                      |
| Timeline for implementation.  | 15                      |
| <b>Total Points Available</b>   | <b>100</b>              |

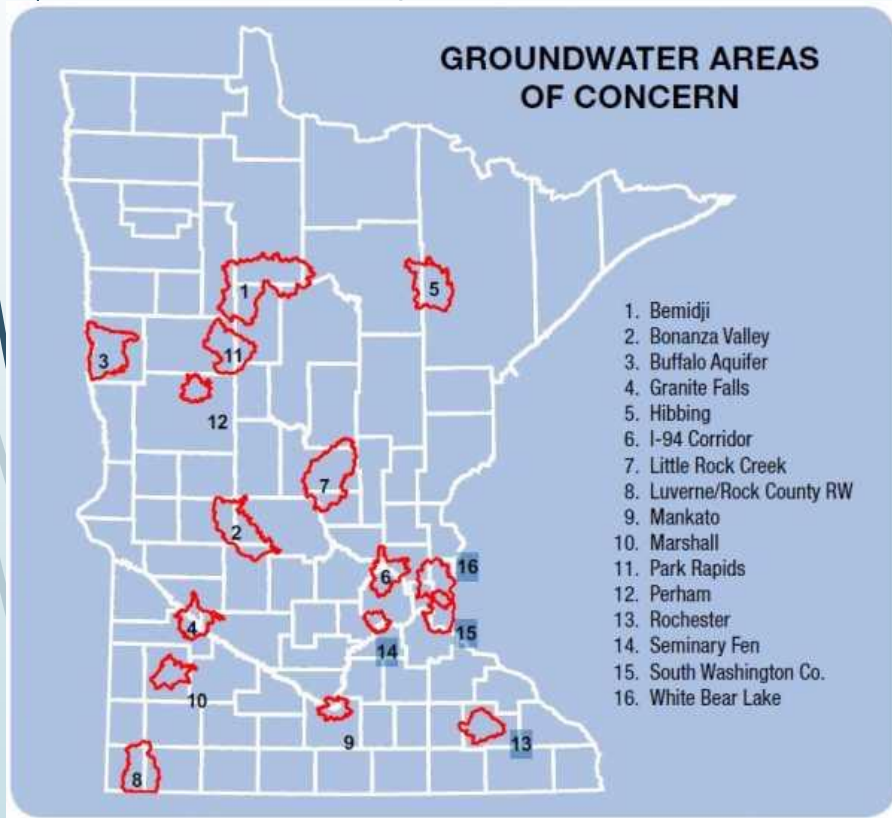
# SMART application



- **Specific**
  - What specific need will be addressed?
- **Measurable**
  - Ensure means to measure product outcomes.
- **Achievable**
  - Lay out a clear plan to success and highlight past successes
- **Relevant**
  - Emphasize the need for the project and its relation to addressing goals in the management plan or legislation
- **Time-bound**
  - List implementation milestones in a reasonable time frame



# Looking to the Future: AIG 2016 grant, MCD Campus Groundwater Conservation Planning Initiative



- **Problem:** Unsustainable groundwater extraction
- **Purpose:** Identify and rank groundwater BMPs for cost-effectiveness (ie, gallons saved/\$ spent)
- **Proposal:** Develop groundwater conservation protocols for development on large public campuses (schools, hospitals, government facilities)
- **Desired Outcome:** Statewide regulatory entities adopt groundwater conservation standards that are cost-effective and beneficial to regional groundwater



# Thank You!

[Andrea.Prichard@co.ramsey.mn.us](mailto:Andrea.Prichard@co.ramsey.mn.us)

(651)-266-7274

**Ramsey**  
Conservation District

